

**Pushbutton Switches, Panel Mount, Wire Lug or PC Tails, 6 Amp**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver clad copper with gold flash  
 Case Material.....Thermoset  
 Actuator Material .....Nickel plated copper alloy  
 Terminals.....Copper with gold flash  
 Terminal Seal .....Molded in

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature .....-4°F to +176°F (-20°C to +80°C)  
 Storage Temperature .....-40°F to +176°F (-40°C to +80°C)  
 Solder Heat Resistance .....See page M3-4

Note: Hardware included with switches

**TYPICAL PERFORMANCE CHARACTERISTICS:**

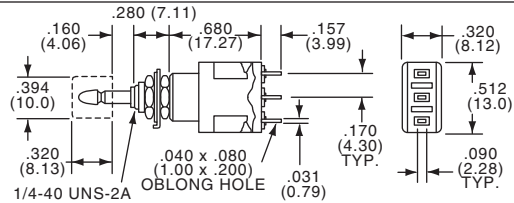
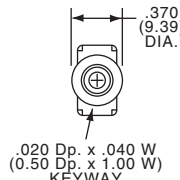
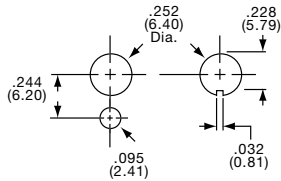
Contact Rating.....6 A @ 125 VAC, 3 A @ 250 VAC  
 Initial Contact Resistance .....10 Milliohms max.  
 Contact Timing .....Break-before-make  
 Insulation Resistance.....1,000 Megohms min.  
 Dielectric Strength.....1,500 Volts RMS @ sea level  
 Actuation Force .....1.3 to 2.7 lbs.  
 Actuator Travel ......140" (3.56)  
 Life Expectancy.....Up to 50,000 Actuations

**Cap not supplied, order separately**  
 (See Cap Model C22 and C23 on page D32.)

**SPDT**



MPA106D

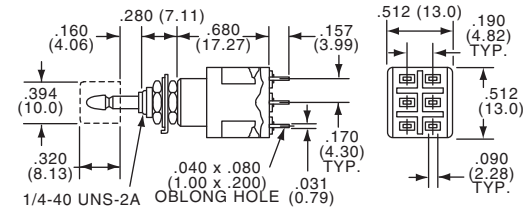
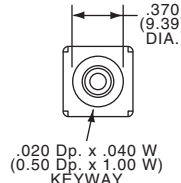
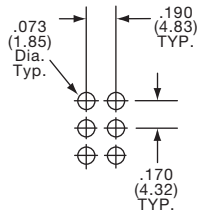


Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
2-1437567-8	MPA106D	SPDT	23		Push-on/Push-off
2-1437567-9	MPA106F	SPDT	19		Momentary

**DPDT**



MPA206N



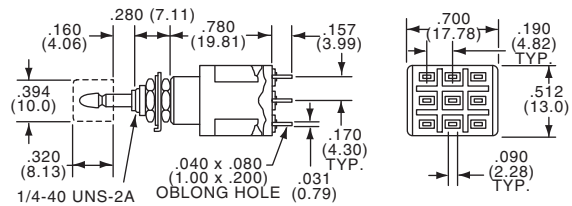
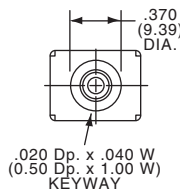
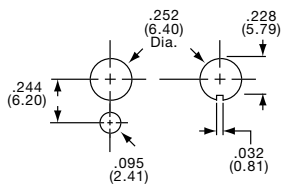
Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
Wirelug Terminals					
3-1437567-1	MPA206N	DPDT	24		Push-on/Push-off
3-1437567-3	MPA206R	DPDT	20		Momentary

Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
PC Terminals					
3-1437567-2	MPA206NPC	DPDT	24		Push-on/Push-off
3-1437567-4	MPA206RPC	DPDT	20		Momentary

**3PDT**



MPA306D

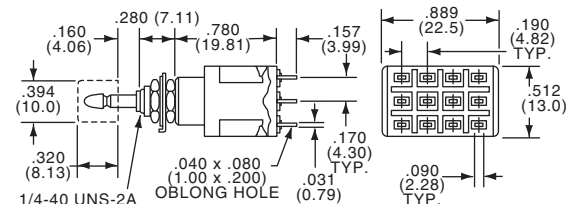
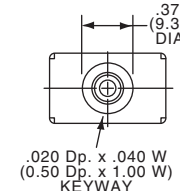
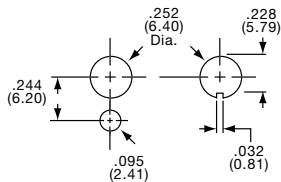


Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
3-1437567-5	MPA306D	3PDT	25		Push-on/Push-off
3-1437567-6	MPA306F	3PDT	21		Momentary

**4PDT**



MPA406N



Part Number					
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action
3-1437567-7	MPA406N	4PDT	26		Push-on/Push-off
3-1437567-8	MPA406R	4PDT	22		Momentary

**Pushbutton Switches, Splashproof, Panel Mount, Wire Lug, 6 Amp**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver clad copper with gold flash  
Case Material .....Thermoset  
Actuator Material .....Nickel plated copper alloy  
Terminals .....Copper with gold flash  
Terminal Seal .....Molded in

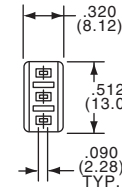
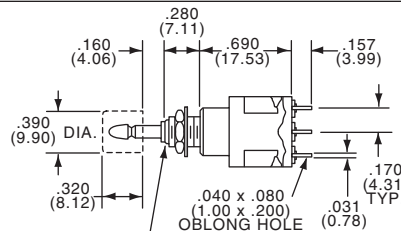
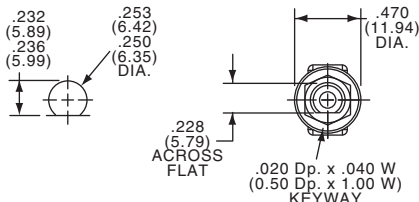
**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature .....-4°F to +176°F (-20°C to +80°C)  
Storage Temperature .....-40°F to +176°F (-40°C to +80°C)  
Note: Hardware included with switches

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....6 A @ 125 VAC, 3 A @ 250 VAC  
Initial Contact Resistance .....10 Milliohms max.  
Contact Timing .....Break-before-make  
Insulation Resistance .....1,000 Megohms min.  
Dielectric Strength .....1,500 Volts RMS @ sea level  
Actuation Force .....1.3 to 2.7 lbs.  
Actuator Travel ......140" (3.56)  
Life Expectancy .....Up to 50,000 Actuations

**Notice: O-ring on shoulder and inside moveable shaft provides splashproof seal. Meets IP65**



SPDT

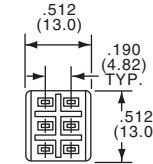
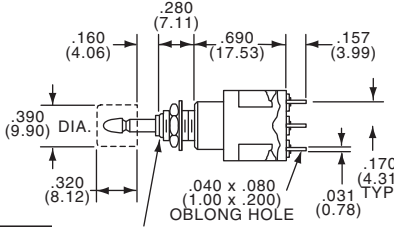
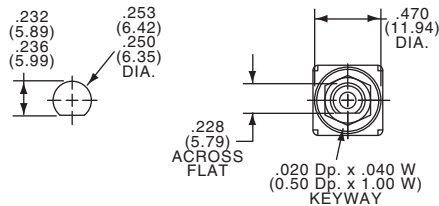


MPE106D

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
4-1437567-2	MPE106D	SPDT	23	Push on/Push off
4-1437567-3	MPE106F	SPDT	19	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32).



DPDT

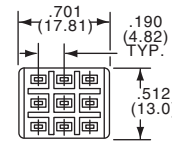
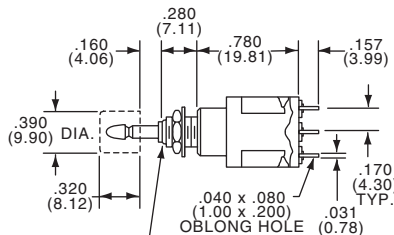
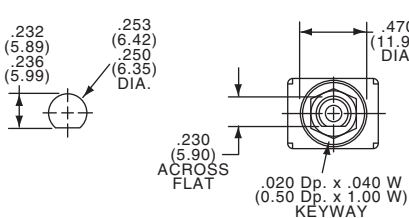


MPE206N

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
4-1437567-4	MPE206N	DPDT	24	Push on/Push off
4-1437567-5	MPE206R	DPDT	20	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32).



3PDT

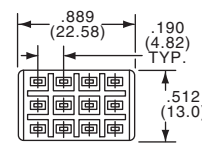
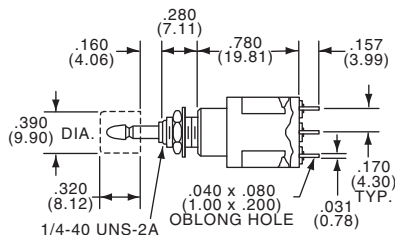
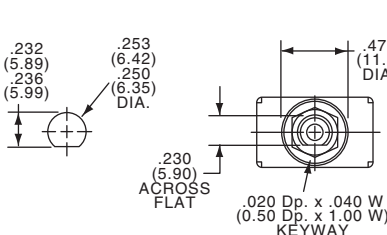


MPE306F

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
—	MPE306D	3PDT	25	Push on/Push off
4-1437567-6	MPE306F	3PDT	21	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32).



4PDT



MPE406N

Part Number		Act. Code		
Tyco Electronics	Alcoswitch	Type	P. M6	Action
4-1437567-7	MPE406N	4PDT	26	Push on/Push off
4-1437567-8	MPE406R	4PDT	22	Momentary

1/4-40 UNS-2A

Cap not supplied, order separately (See Cap Model C22 and C23 on page D32).

**Pushbutton Switches, 15/32 Bushing, Mustang, Wire Lug or PC Tails, 6 Amp**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver clad copper with gold flash  
 Case Material .....Thermoset  
 Terminals .....Copper with gold flash finish  
 Terminal Seal .....Molded in

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....6 A @ 125 VAC, 3 A @ 250 VAC  
 Initial Contact Resistance .....10 Milliohms max.  
 Contact Timing .....Break-before-make  
 Insulation Resistance .....1,000 Megohms min.  
 Dielectric Strength .....1,500 Volts RMS @ sea level  
 Actuation Force .....1.3 to 2.7 lbs.  
 Actuator Travel ......138" (3.51)  
 Life Expectancy .....Up to 50,000 Actuations  
 Note: Hardware included with switches

**ENVIRONMENTAL SPECIFICATIONS:**

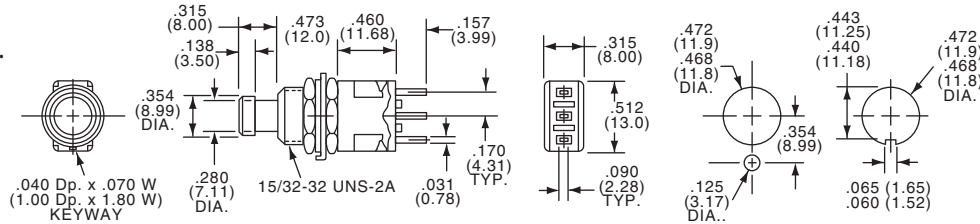
Operating Temperature.....-4°F to +176°F (-20°C to +80°C)  
 Storage Temperature.....-40F to +176°F (-40°C to +80°C)  
 Solder Heat Resistance .....See page M3-4

**SPDT**

Black Cap supplied.



MPG106D



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

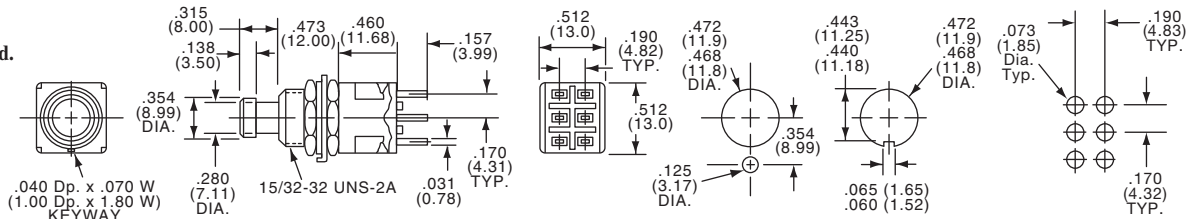
Part Number		Type	Act. Code	P. M6	Action	Terminals	
Tyco Electronics	4-1437567-9	Alcoswitch	MPG106D	SPDT	23	Push on/Push off	Wire Lug
Tyco Electronics	5-1437567-0	Alcoswitch	MPG106F	SPDT	19	Momentary	Wire Lug

**DPDT**

Black Cap supplied.



MPG206NPC



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

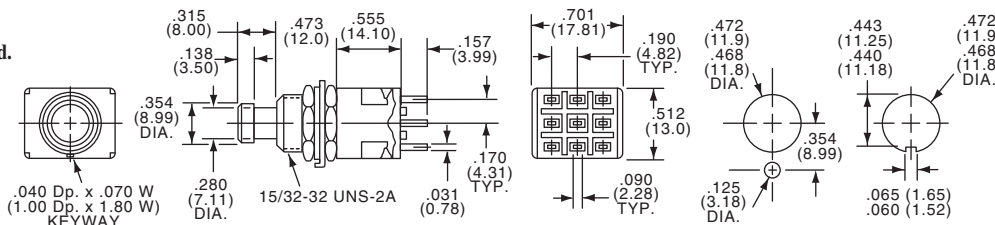
Part Number		Type	Act. Code	P. M6	Action	Terminals	
Tyco Electronics	5-1437567-1	Alcoswitch	MPG206N	DPDT	24	Push on/Push off	Wire Lug
Tyco Electronics	5-1437567-3	Alcoswitch	MPG206R	DPDT	20	Momentary	Wire Lug
Tyco Electronics	5-1437567-2	Alcoswitch	MPG206NPC	DPDT	24	Push on/Push off	PC
Tyco Electronics	5-1437567-4	Alcoswitch	MPG206RPC	DPDT	20	Momentary	PC

**3PDT**

Black Cap supplied.



MPG306D



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

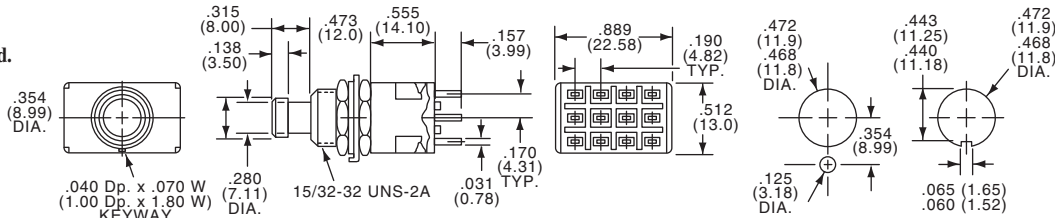
Part Number		Type	Act. Code	P. M6	Action	Terminals	
Tyco Electronics	5-1437567-5	Alcoswitch	MPG306D	3PDT	25	Push on/Push off	Wire Lug
Tyco Electronics	5-1437567-6	Alcoswitch	MPG306F	3PDT	21	Momentary	Wire Lug

**4PDT**

Black Cap supplied.



MPG406N



Other Caps Available, order separately  
 (See Cap Model C9 on page D32.)

Part Number		Type	Act. Code	P. M6	Action	Terminals	
Tyco Electronics	5-1437567-7	Alcoswitch	MPG406N	4PDT	25	Push on/Push off	Wire Lug
Tyco Electronics	5-1437567-8	Alcoswitch	MPG406R	4PDT	21	Momentary	Wire Lug

**Pushbutton Switches, Snap Action, Wire Lug, 3 Amp**

**MATERIAL SPECIFICATIONS:**

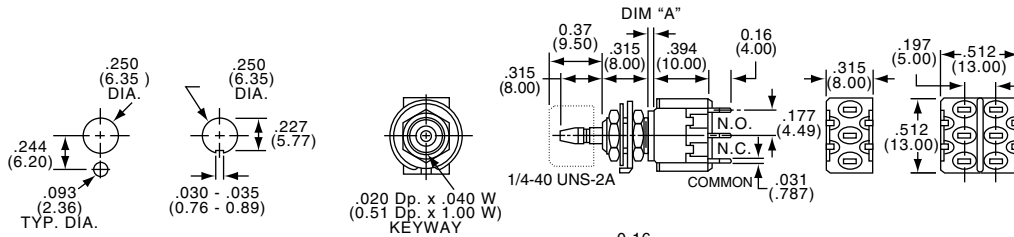
- Contacts .....Silver
- Case Material .....Epoxy resin
- Actuator Material .....Copper alloy, nickel plate
- Terminals .....Silver
- Terminal Seal .....Epoxy

**ENVIRONMENTAL SPECIFICATIONS:**

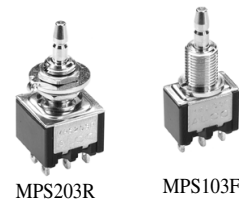
- Operating Temperature.....+5°F to +158°F (-15°C to +70°C)
- Storage Temperature.....+5°F to +158°F (-15°C to +70°C)
- Solder Heat Resistance .....See page M3-4

**TYPICAL PERFORMANCE CHARACTERISTICS:**

- Contact Rating .....3 A @ 115 VAC or 28 VDC
- Initial Contact Resistance .....10 Milliohms max.
- Contact Timing .....Break-before-make
- Insulation Resistance .....1,000 Megohms @ 500 VDC min.
- Dielectric Strength .....1,000 Volts RMS @ sea level
- Actuation Force .....Single pole - 7 to 14 oz. (200 to 400 grams)  
Double pole - 14 to 25 oz. (400 to 700 grams)
- Actuator Travel.....Momentary .040" (1.02)  
Push on/off .098" (2.49)
- Life Expectancy .....Up to 50,000 Actuations

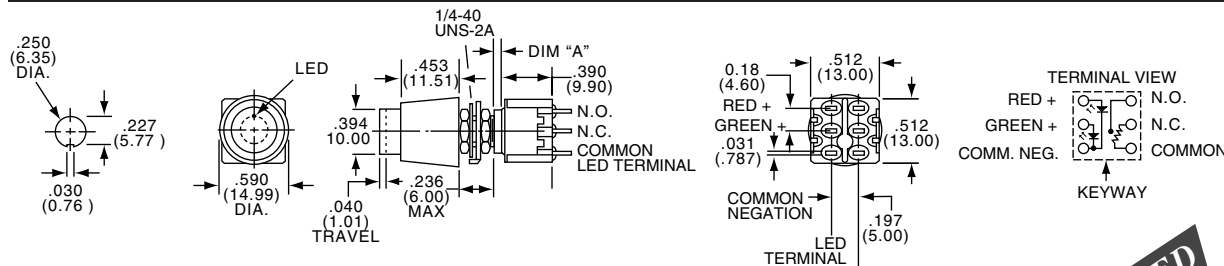


SPDT/DPDT



Part Number		Type	Action	Dim."A"	Terminals
Tyco Electronics	Alcoswitch				
5-1437567-9	MPS103D	SPDT	Push-on/Off	.100	Wire Lug
6-1437567-3	MPS103F	SPDT	Momentary	.040	Wire Lug
6-1437567-8	MPS203N	DPDT	Push-on/Off	.100	Wire Lug
7-1437567-2	MPS203R	DPDT	Momentary	.040	Wire Lug

**Note: Hardware included with switches  
Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)**



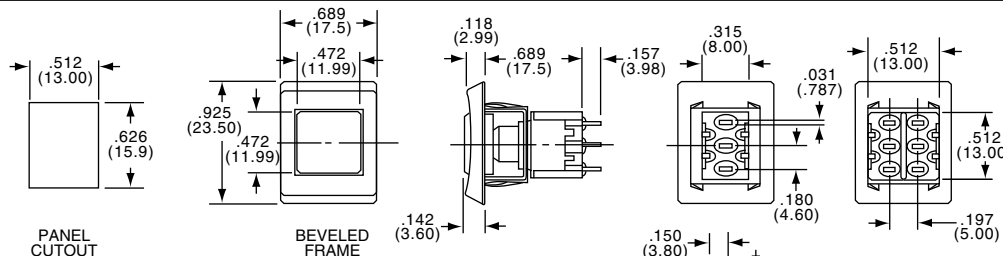
SPDT



Part Number		Type	Action	Dim."A"	Terminals
Tyco Electronics	Alcoswitch				
8-1437567-0	MPSN103F	SPDT	Momentary	.040	Wire Lug

Note: LEDs are red and green.

**LED Specifications:**  
Max. Vfwd. @ 20 mA dc : 3 Vdc.  
Max. V rev. : 5 Vdc.  
Max. I fws. : 30 mA dc.  
Recommended series resistance: R = 120 ohm @ 5 Vdc.  
(add 50 ohms/volt above 5 volts)



SPDT/DPDT



Part Number		Type	Action	Terminals
Tyco Electronics	Alcoswitch			
8-1437567-1	MPSR103F	SPDT	Momentary	Wire Lug
8-1437567-2	MPSR203R	DPDT	Momentary	Wire Lug
Model		Description	Color	
2-1437628-2	SDR0	Plastic beveled frame	Black	
5-1437627-5	C330	Square button for MPSR	Black	
5-1437627-6	C332	Square button "	Red	
5-1437627-8	C339	Square button "	White	

**C-33(\*) Button not supplied, Plastic (black) beveled edged frame Model SDR0, not supplied.  
ORDER SEPARATELY**

**Pushbutton Switches, Snap Action, PC or Wire Wrap Tails, 3 Amp**

SPDT/DPDT

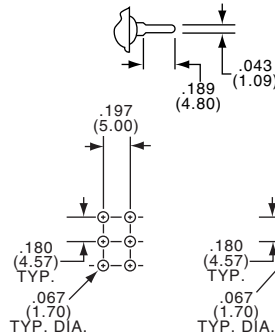
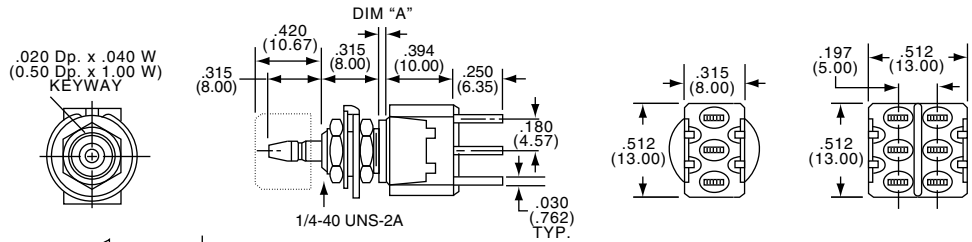
SEE PAGE D25 FOR PRODUCT SPECIFICATIONS



MPS103FPC



MPS203RPC



Part Number					
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Terminals
6-1437567-0	MPS103DPC	SPDT	Push-on/Off	.100	PC Terminals
6-1437567-4	MPS103FPC	SPDT	Momentary	.040	PC Terminals
6-1437567-9	MPS203NPC	DPDT	Push-on/Off	.100	PC Terminals
7-1437567-3	MPS203RPC	DPDT	Momentary	.040	PC Terminals

Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)

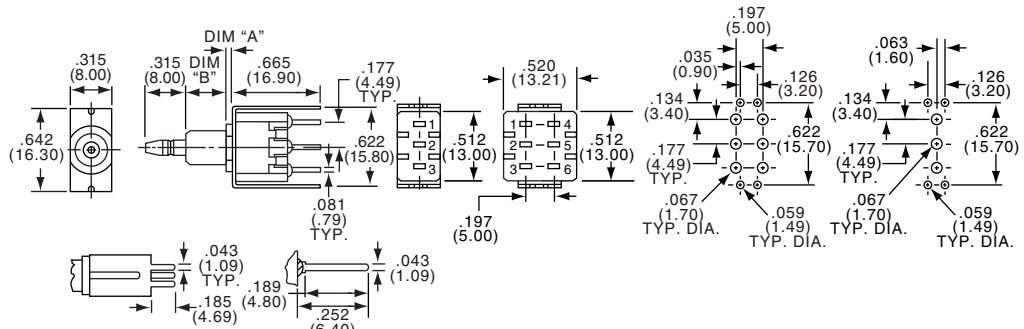
SPDT/DPDT



MPS103FPCV



MPS203RPCV



Part Number						
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Dim."B"	Terminals
6-1437567-1	MPS103DPCV	SPDT	Push-on/Off	.080(2.03)	.315(8.00)	PC w/support
6-1437567-5	MPS103FPCV	SPDT	Momentary	.040(1.01)	.295(7.49)	PC w/support
7-1437567-4	MPS203RPCV	DPDT	Momentary	.040(1.01)	.295(7.49)	PC w/support

Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)

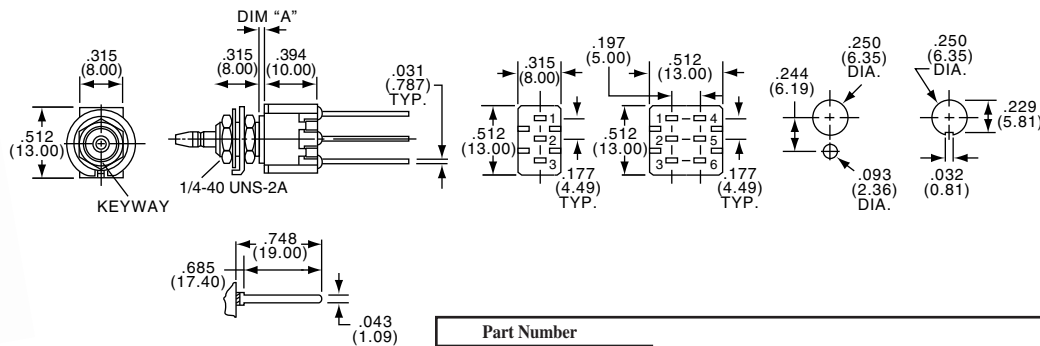
SPDT/DPDT



MPS103FWW



MPS203RWW

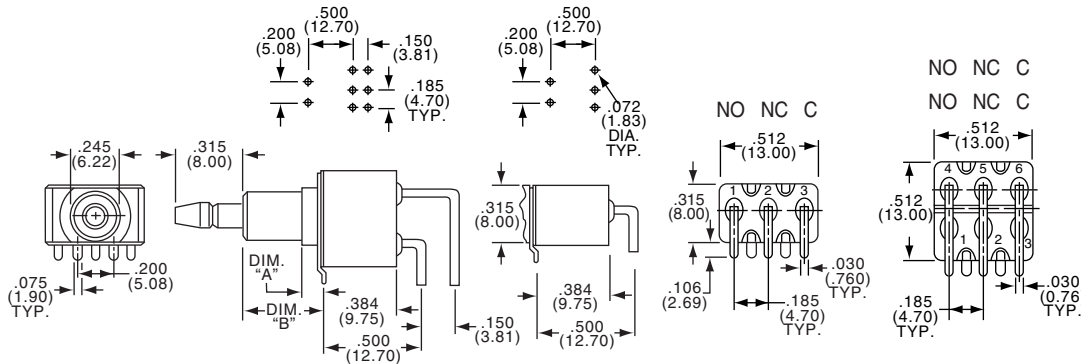


Part Number					
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Terminals
6-1437567-7	MPS103FWW	SPDT	Momentary	.040(1.01)	Extended PC
-	MPS203NWW	DPDT	Push-on/Off	.100(2.54)	Extended PC
7-1437567-6	MPS203RWW	DPDT	Momentary	.040(1.01)	Extended PC

Caps not supplied, order separately. (See Cap Model C22 and C23 on Page D32.)

**Pushbutton Switches, Snap Action, Right Angle, 3 Amp**

SEE PAGE D25 FOR PRODUCT SPECIFICATIONS



SPDT/DPDT



MPS103DRA



MPS203NRA

Part Number						
Tyco Electronics	Alcoswitch	Type	Action	Dim."A"	Dim."B"	Terminals
6-1437567-2	MPS103DRA	SPDT	Push-on/Off	.100(2.54)	.423(10.7)	Right Angle PC
6-1437567-6	MPS103FRA	SPDT	Momentary	.060(1.52)	.364(9.24)	Right Angle PC
7-1437567-1	MPS203NRA	DPDT	Push-on/Off	.100(2.54)	.423(10.7)	Right Angle PC
7-1437567-5	MPS203RRA	DPDT	Momentary	.060(1.52)	.364(9.24)	Right Angle PC

Caps not supplied, order separately.  
(See Cap Model C22 and C23 on Page D32.)

MSP3/MSPS

**Pushbutton Switches, 2.5mm Travel, Panel Mount**

**MATERIAL SPECIFICATIONS:**

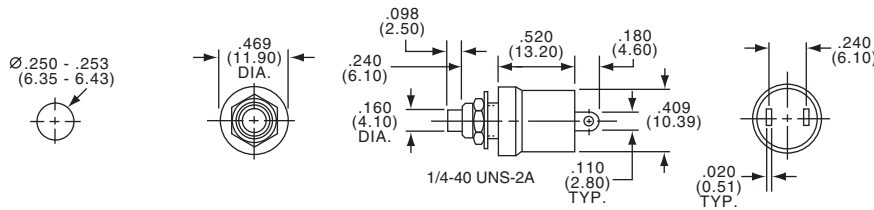
Contacts .....Silver plate over copper alloy  
Case Material .....Thermoplastic  
Actuator Material .....Thermoplastic  
Terminals .....Silver plate

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....MSP103 - 3 Amps @ 125 VAC  
(with over travel) .059" (1.5mm)  
MSPS103 - 0.5 Amps @ 125 VAC  
(Butt contact)  
Initial Contact Resistance .....100 Milliohms  
Contact Timing .....Break-before-make  
Insulation Resistance .....1,000 Megohms min.  
Dielectric Strength .....1,000 Volts RMS @ sea level  
Life Expectancy .....Up to 10,000 Cycles  
Travel .....2.5 mm

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)  
Storage Temperature.....+5°F to +153°F (-15°C to +75°C)  
Solder Heat Resistance .....See page M3-4  
Note: Hardware included with switches



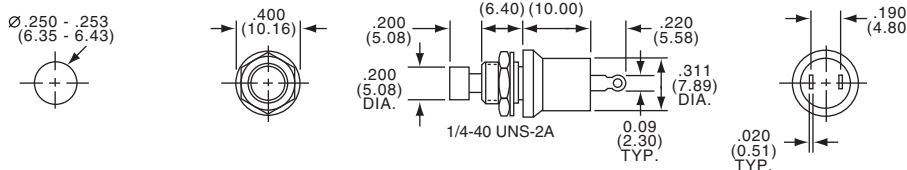
SPST



MSP103B

3 AMPS

Part Number						
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Momentary Action	Bushing Length	Actuator Color
8-1437567-3	MSP103B	SPST	14	Normally Closed	.236	Black
8-1437567-4	MSP103C	SPST	13	Normally Open	.236	Red
8-1437567-5	MSP103C0	SPST	13	Normally Open	.236	Black
8-1437567-6	MSP103C2	SPST	13	Normally Open	.374	Red



MSPS103B

0.5 AMPS

Part Number						
Tyco Electronics	Alcoswitch	Type	Act. Code P. M6	Momentary Action	Bushing Length	Actuator Color
1437568-5	MSPS103B	SPST	14	Normally Closed	.245	Black
1437568-6	MSPS103C2	SPST	13	Normally Open	.245	Red
1437568-7	MSPS103C0	SPST	13	Normally Open	.245	Black

**Pushbutton Switches, Front or Rear Entry Mount, 15/32 Bushing**

**MATERIAL SPECIFICATIONS:**

Contacts .....Silver plate  
 Case Material .....Thermoset  
 Actuator Material .....Thermoplastic  
 Terminals .....Silver plate  
 Terminal Seal .....Epoxy

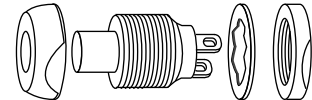
**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....0.5 A @ 125 VAC  
 Initial Contact Resistance .....100 Milliohms  
 Contact Timing .....Break-before-make  
 Insulation Resistance .....1,000 Megohms min.  
 Dielectric Strength .....1,000 Volts RMS @ sea level  
 Actuator Travel......098" (2.49)  
 Life Expectancy .....Up to 10,000 Cycles

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature.....-4°F to +176°F (-20°C to +80°C)  
 Storage Temperature.....-4F to +176°F (-20°C to +80°C)

Application Note: Illustration shows versatile front or rear entry usage, with hardware supplied.



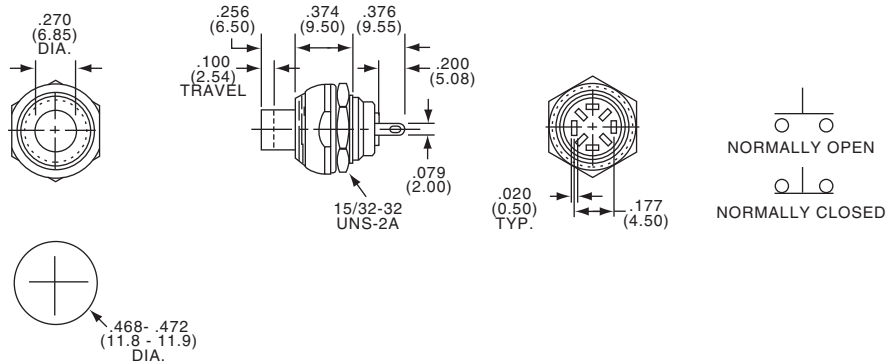
**D**

**MSPF Series**

**SPST**



MSPF101B

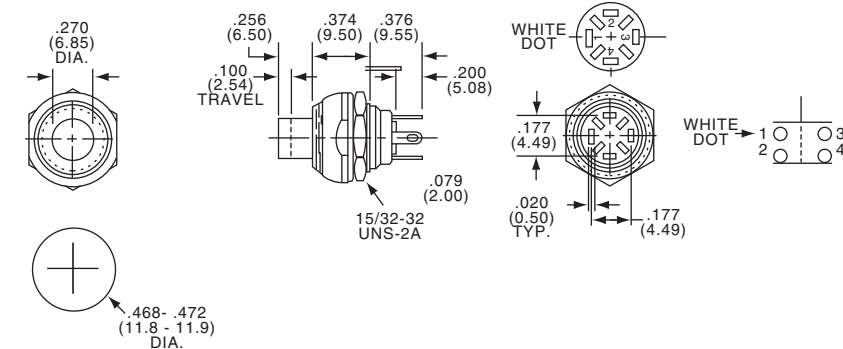


Part Number				
Tyco Electronics	Alcoswitch	Type	Action	Actuator Color
8-1437567-8	MSPF101B	SPST	Normally Closed	Black
9-1437567-3	MSPF101C	SPST	Normally Open	Red

**2 CIRCUIT**



MSPF101BC



Part Number				
Tyco Electronics	Alcoswitch	Type	Action	Actuator Color
8-1437567-9	MSPF101BC0	2 Circuit	Normally open-normally closed	Black
9-1437567-0	MSPF101BC2	2 Circuit	Normally open-normally closed	Red
9-1437567-1	MSPF101BC6	2 Circuit	Normally open-normally closed	Blue
9-1437567-2	MSPF101BC9	2 Circuit	Normally open-normally closed	White

**Pushbutton Switches, Magnetic Reed, Long Life, Hermetically Sealed**

**MATERIAL SPECIFICATIONS:**

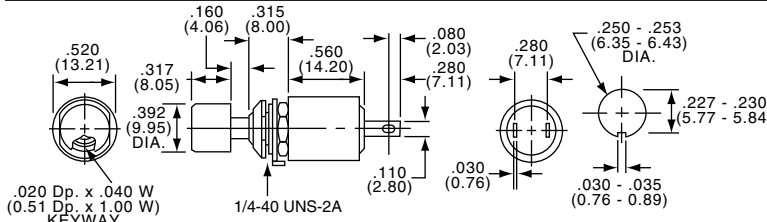
Contacts .....Gold  
 Case Material .....Steel  
 Actuator Material .....Polyamide  
 Terminals/Fixed Contacts.....Wire Lug  
 Pin useable for PC applications

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....1.0 VA optimum (100 mA max., 100 VDC max.)  
 Initial Contact Resistance .....100 Milliohms max.  
 Actuation Force .....Tactile "keyboard feel" 4 to 7 oz.  
 "breakaway" reducing immediately to 1.5 oz.  
 "follow-through"  
 Actuator Travel ......078" nominal  
 Life Expectancy.....Up to 5,000,000 Cycles @ .1 VA; 50,000 cycles @ 5VA  
 Solder Heat Resistance .....See page M3-4  
 Note: Hardware included with switches

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature.....+14°F to +176°F (-10°C to +80°C)  
 Storage Temperature.....+14°F to +176°F (-10°C to +80°C)

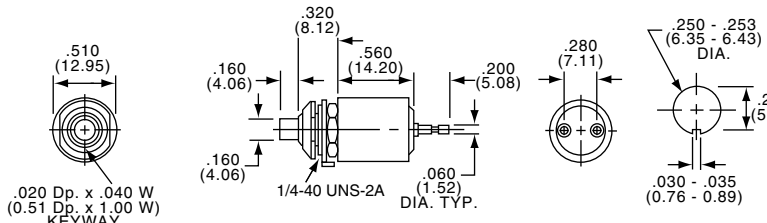


N.C. OR N.O.  
SOFT DETENT



Part Number						
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action	Terminals
9-1437567-4	MSPM101B0	SPST	14		Normally Closed	Pin
1437568-1	MSPM101C2	SPST	13		Normally Open	Pin
9-1437567-5	MSPM101B1	SPST	14		Normally Closed	Lug
9-1437567-9	MSPM101C1	SPST	13		Normally Open	Lug

Cap Model C22 supplied with unit.



N.C. OR N.O.  
AUDIBLE DETENT



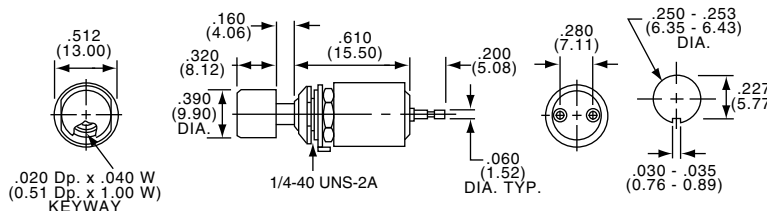
Part Number						
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Action	Terminals
9-1437567-7	MSPM101BS	SPST	14		Normally Closed	Pin
1437568-3	MSPM101CS	SPST	13		Normally Open	Pin
9-1437567-8	MSPM101BS1	SPST	14		Normally Closed	Lug
1437568-4	MSPM101CS1	SPST	13		Normally Open	Lug

**Pushbutton Switches, Push-Pull, Magnetic Reed, Long Life, Hermetically Sealed**

**SPECIFICATIONS (Same as above except):**

Travel ..... .125" (3.18) nominal

Actuation Force .....Tactile feel 5 to 8 oz. "breakaway" with magnetically accelerated "follow-through"



N.C. OR N.O.



Part Number							
Tyco Electronics	Alcoswitch	Type	Act. Code	P. M6	Push	Pull	Terminals
9-1437567-6	MSPM101BP	SPST	18		Open	Closed	Pin
1437568-2	MSPM101CP	SPST	17		Closed	Open	Pin

Cap Model C22 supplied with unit.  
 Model C23 available, order separately. (See Page D32.)



**Push Switch, JLS Series**

**MATERIAL SPECIFICATIONS:**

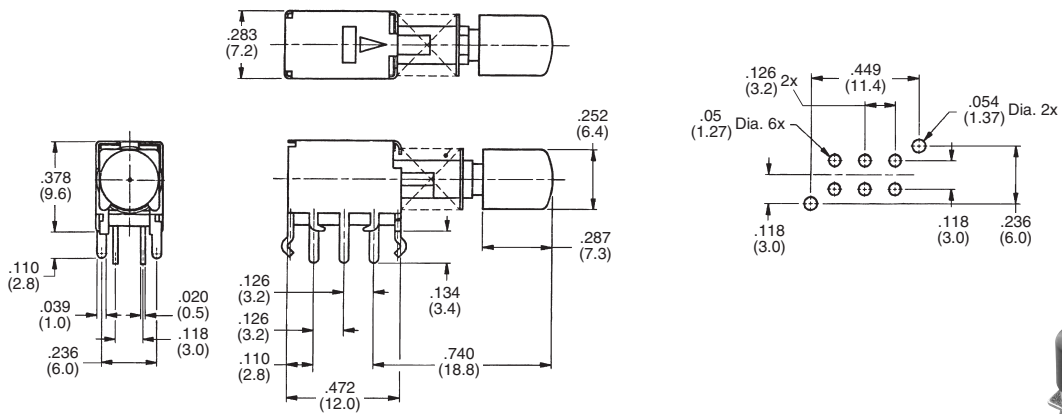
Contacts .....Silver clad copper  
 Frame .....Steel  
 Actuator Material .....Acetal  
 Terminals/Fixed Contacts.....Brass, silver plate  
 Insulator .....Phenol

**TYPICAL PERFORMANCE CHARACTERISTICS:**

Contact Rating .....1 Amp @25 VDC  
 Initial Contact Resistance .....100 Milliohms  
 Actuation Force .....300±150 gms  
 Actuator Travel .....0.091 (2.3)  
 Life Expectancy.....Up to 10,000 cycles

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature.....+14°F to +140°F (-10°C to +60°C)



Part Number			
Tyco Electronics	Alcoswitch	Act. Code P. M6	Actuator Type
1437566-8	JLS91439FKBC	N	Black Cap
1437566-7	JLS91439FK	N	Gray Cap
1437566-9	JLS91439FWC	N	White Cap

**D**  
MSPM, JLS Series

**Pushbutton Switches, Splashproof Boot Seals**

A wide selection of stock boot seals for pushbuttons are available in a variety of styles and thread sizes. ALCOSWITCH seals replace standard mounting hardware to provide environmental seal. Fabricated of Neoprene in black and optional red or gray. Custom colors and thread sizes are also available on special order.

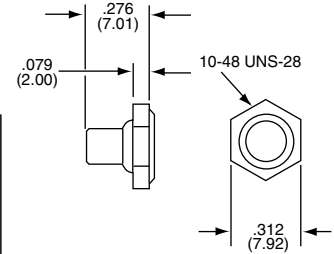


BP10480

**10-48 PUSHBUTTON BOOT SEALS**

Splashproof seal designed for "TINY" pushbutton switches having a 10-48 bushing and .14" long button actuators. The hex nut is molded-in to the Neoprene seal. No O-Ring is required. Custom colors are available on special order.

Part Number					
Tyco Electronics	Alcoswitch	Mount Color	Boot Color	Thread Size	Use with Switch Types
1-1437626-4	BP10480	Black	Black	10-48	TP Series
1-1437626-5	BP10482	Red	Red	10-48	TP Series
1-1437626-6	BP10488	Gray	Gray	10-48	TP Series



BPA14400

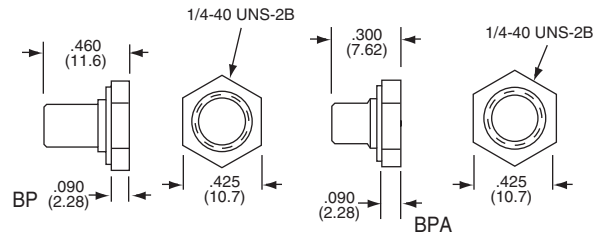


BP14400

**1/4-40 PUSHBUTTON BOOT SEALS**

Splashproof seals for miniature pushbuttons having a 1/4-40 bushing. The two models allow use with buttons that extend up to .17" (BPA) or up to .33" (BP). The hex nut is molded-in and no O-Ring is required.

Part Number					
Tyco Electronics	Alcoswitch	Mount Color	Boot Color	Thread Size	Use with Switch Types
1-1437626-7	BP14400	Black	Black	1/4-40	MSPM, MPA3, MPS and TP Series
1-1437626-8	BP14402	Red	Red	1/4-40	MSPM, MPA3, MPS and TP Series
1-1437626-9	BP14408	Gray	Gray	1/4-40	MSPM, MPA3, MPS and TP Series
2-1437626-7	BPA14400	Black	Black	1/4-40	MSPMBS, MSPMCS, MSP3, MPA3, TP Series
2-1437626-8	BPA14402	Red	Red	1/4-40	MSPMBS, MSPMCS, MSP3, MPA3, TP Series
2-1437626-9	BPA14408	Gray	Gray	1/4-40	MSPMBS, MSPMCS, MSP3, MPA3, TP Series



BP20100

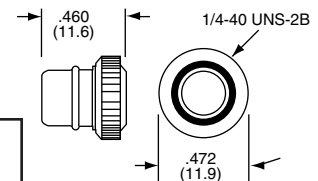


BP1900

**1/4-40 PUSHBUTTON BOOT SEALS**

Splashproof seals having 1/4-40 blind nuts integrally mounted to the black Neoprene seal. Supplied with a captive O-Ring to complete the panel seal. Used with actuators up to .37" long. Choice of two-tone with nickel finish knurled ring or all black.

Part Number					
Tyco Electronics	Alcoswitch	Mount Color	Boot Color	Thread Size	Use with Switch Types
2-1437626-3	BP1900	Nickel	Black	1/4-40	MSPM, MSP3, MPA3 and TP Series
2-1437626-4	BP2010	Black	Black	1/4-40	MSPM, MSP3, MPA3 and TP Series

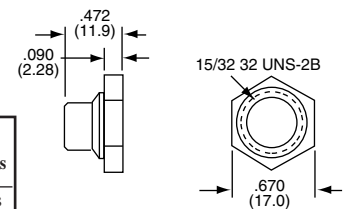


BP15320

**15/32-32 PUSHBUTTON BOOT SEALS**

Splashproof seals incorporating a molded-in hex nut for water tight and dust tight protection. Replaces standard hardware usually supplied. Recommended for large size pushbutton switches with actuators extending up to .31" long.

Part Number					
Tyco Electronics	Alcoswitch	Mount Color	Boot Color	Thread Size	Use with Switch Types
2-1437626-0	BP15320	Black	Black	15/32-32	MSPF and MPG Series
2-1437626-1	BP15322	Red	Red	15/32-32	MSPF and MPG Series
2-1437626-2	BP15328	Gray	Gray	15/32-32	MSPF and MPG Series



BP5900

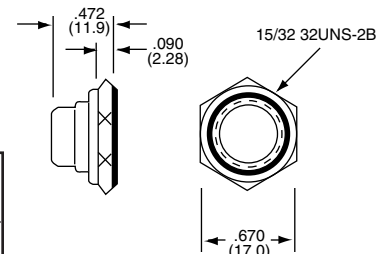


BP5890

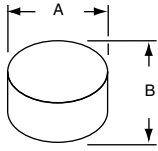
**15/32-32 PUSHBUTTON BOOT SEALS**

Splashproof seals having 15/32-32 hex shape mounts integrally bonded onto the black Neoprene seal. Supplied with a captive O-Ring for use against the panel. Readily accepts actuators up to .38" in length. Available in two tone with nickel finish hex-mount, or all black.

Part Number					
Tyco Electronics	Alcoswitch	Mount Color	Boot Color	Thread Size	Use with Switch Types
2-1437626-5	BP5890	Nickel	Black	15/32-32	MSPF and MPG Series
2-1437626-6	BP5900	Black	Black	15/32-32	MSPF and MPG Series



**Pushbutton Switches, Accessories**



**CAPS**



C5 C22

Model	ID.	Description	Use Guard	Color	"A" Diameter	B Height
C5(*)	Snapfit	Small plastic cap for MPA3 Series	-	(0), (2), (5), (9)	.195	.120
C8(*)	Snapfit	Large plastic cap for MPA3 Series	-	(0), (2), (5), (9)	.310	.160
C9(*)	Snapfit	Spare color cap for MPG Series	-	(0), (2), (6), (9)	.354	.138
C22(*)	Snapfit	MPS/MSPM/MPE/MPA6	G12	(0), (2), (3), (4), (5), (6), (9)	.394	.315
C23(*)	Snapfit	MPS/MSPM/MPE/MPA6	G13	(0), (2), (3), (4), (5), (6), (9)	.590	.394
C33(*)	Snapfit	Square button for MSPR	-	(0), (2), (6), (9)	.378SQ.	.201

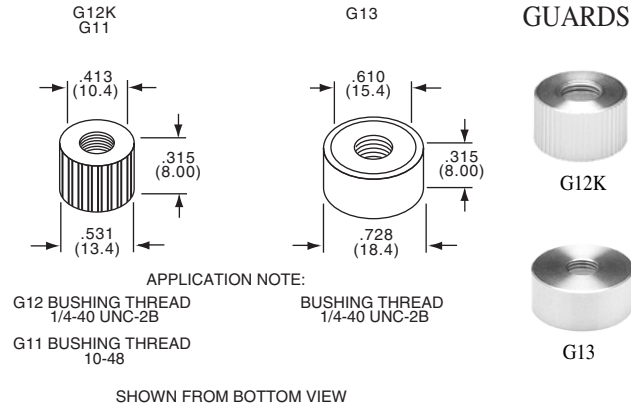
(\*) Specify color by adding suffix number: (0) Black, (2) Red, (3) Orange, (4) Yellow, (5) Green, (6) Blue, (9) White.

D

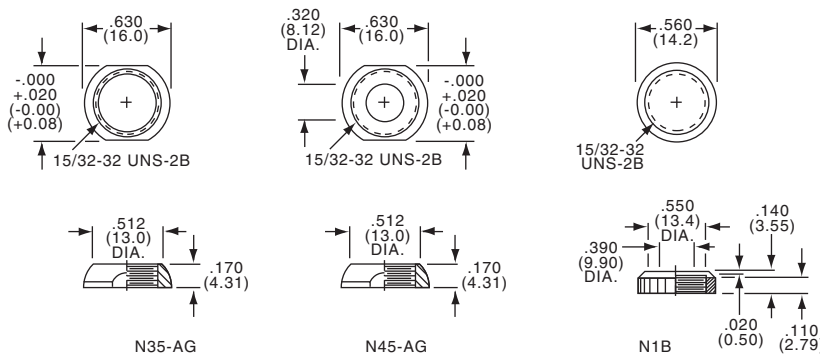
Accessories

Part Number		Type	Color	Finish	Can be Used with Cap
Tyco Electronics	Alcoswitch				
7-1437627-6	G11A	10-48	Clear aluminum	Plain	C22 —
7-1437627-7	G11B	10-48	Black aluminum	Plain	C22 —
7-1437627-8	G11C	10-48	Chromed Brass	Plain	C22 —
8-1437627-1	G12A	1/4-40	Clear aluminum	Plain	C12 C22
8-1437627-2	G12B	1/4-40	Black aluminum	Plain	C12 C22
8-1437627-3	G12C	1/4-40	Chromed brass	Plain	C12 C22
8-1437627-4	G12KA	1/4-40	Clear aluminum	Knurled	C12 C22
8-1437627-5	G12KB	1/4-40	Black aluminum	Knurled	C12 C22
8-1437627-6	G12KC	1/4-40	Chromed brass	Knurled	C12 C22
8-1437627-7	G13A	1/4-40	Clear aluminum	Plain	C13 C23
8-1437627-8	G13B	1/4-40	Black aluminum	Plain	C13 C23
8-1437627-9	G13C	1/4-40	Chromed brass	Plain	C13 C23
9-1437627-0	G13KA	1/4-40	Clear aluminum	Knurled	C13 C23
9-1437627-1	G13KB	1/4-40	Black aluminum	Knurled	C13 C23
9-1437627-2	G13KC	1/4-40	Chromed brass	Knurled	C13 C23
9-1437627-3	G15*	15/32"	Chromed brass	Plain	—

\*G15 Model used on the MSPF Series



**DECORATIVE HARDWARE**



Part Number		Type	Description
Tyco Electronics	Alcoswitch		
1-1437628-0	N1B	15/32"	"Perfect Fit" knurled nut
1-1437628-4	N35-AG	15/32"	Decorative nut (supplied on switch)
1-1437628-7	N45-AG	15/32"	"Perfect Fit" decorative nut

D32

Catalog 1308390  
 Issued 9-04

www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses or brackets are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA: 1-800-522-6752  
 Canada: 1-905-470-4425  
 Mexico: 01-800-733-8926  
 C. America: 52-55-5-729-0425

South America: 55-11-3611-1514  
 Hong Kong: 852-2735-1628  
 Japan: 81-44-844-8013  
 UK: 44-141-810-8967

**Pushbutton Switches, Panel Seal**

**FEATURES**

The BP Series offers a unique means of sealing pushbutton switches, using a standard 1/4-40 threading bushing, to almost any thickness panel. Simply install the BP adaptor into a 15/32" dia. or 1/2" dia. panel opening and secure with its hex nut. The switch is then threaded into the previously mounted adaptor and tightened into place. A complete and decorative panel seal is the result of the simple process.

**MATERIALS**

The flexible panel seal is custom molded of Neoprene rubber for long life, flexibility and chemical resistance. The threaded plastic adaptor is molded of ABS thermoplastic, is impact resistant and designed for ease of mounting.

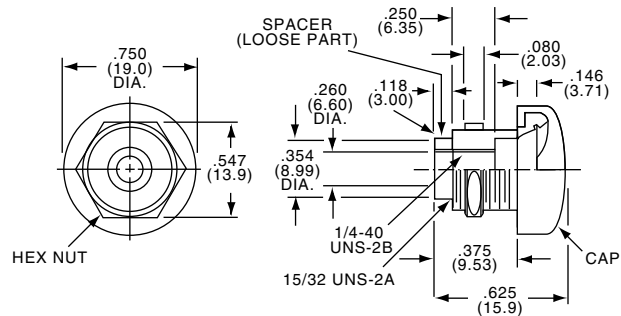
**BPM**

**For use with Miniature Pushbutton**

The BPM seal adaptor accommodates all AUGAT/ALCOSWITCH MPA Series of pushbutton switches utilizing the 1/4-40 threaded bushing.



BPM15320



Part Number		
Tyco Electronics	Alcoswitch	Color* of Seal
3-1437626-0	BPM15320	Black
3-1437626-1	BPM15322	Red
3-1437626-2	BPM15328	Gray

(\* Custom seal colors are available upon special request.

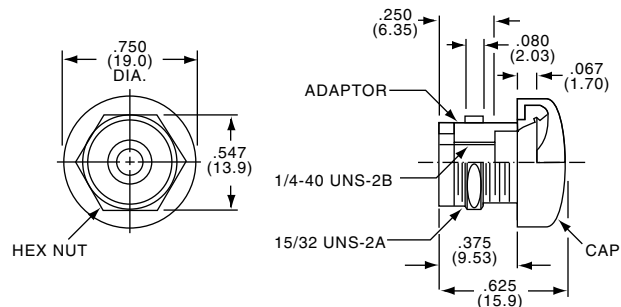
**BPT**

**For use with Tiny Series TPF Pushbutton**

The BPT seal adaptor accommodates all AUGAT/ALCOSWITCH TPF Series Tiny Pushbutton switches utilizing the 1/4-40 threading bushing.



BPT15328



Part Number		
Tyco Electronics	Alcoswitch	Color* of Seal
3-1437626-3	BPT15320	Black
3-1437626-4	BPT15322	Red
3-1437626-5	BPT15328	Grey

(\* Custom seal colors are available upon special request.

**D**  
BP T/M Series

**Engineering Notes**



D

Engineering Notes